## CLAIMS

## What is claimed is:

- A disk tray for a disk drive that slides in and out of the disk drive, the disk tray comprising one or more resonators mounted on a lower surface of the disk tray to selectively reduce noise of a predetermined frequency band.
- 2. The disk tray according to claim 1, wherein each of the one or more resonators comprises:

a through hole penetrating the disk tray and operating as an entrance and a bottle neck of each resonator; and

a resonance container surrounding the through hole and having a predetermined volume, the predetermined frequency band being determined according to an area of a profile of the through hole, a length of the bottle neck of the through hole, and a volume of the resonance container.

- 3. The disk tray according to claim 2, wherein the resonator further comprises an absorbing member filling the resonance container.
- 4. The disk tray according to claim 3, wherein a bottom surface of the resonance container is open.
  - A disk drive comprising:
  - a disk tray that slides in and out of the disk drive and on which a disk is placed;
  - a disk driving portion rotating the disk at a predetermined speed;
  - a disk chucking apparatus holding the disk on the disk driving portion;
- a data recording/reproducing unit recording data on the disk or reproducing data from the disk; and

one or more resonators installed on a lower surface of the disk tray to selectively reduce noise of a predetermined frequency band.

6. The disk tray according to claim 5, wherein each of the one or more resonators comprises:

a through hole penetrating the disk tray and operating as an entrance and a bottle neck of each resonator; and

a resonance container surrounding the through hole and having a predetermined volume, the predetermined frequency band being determined according to an area of a profile of the through hole, a length of the bottle neck of the through hole, and a volume of the resonance container.

- 7. The disk tray according to claim 6, wherein the resonator further comprises an absorbing member filling the resonance container.
- 8. The disk tray according to claim 7, wherein a bottom surface of the resonance container is open.
  - 9. A resonator for a disk tray of a disk drive, comprising:

a through hole penetrating the disk tray and operating as an entrance and a bottle neck of the resonator; and

a resonance container surrounding the through hole and having a predetermined volume, the resonator being mounted on the disk tray to selectively reduce noise of a predetermined frequency band, the predetermined frequency band being determined according to an area of a profile of the through hole, a length of the bottle neck of the through hole, and the volume of the resonance container,

wherein the resonator converts sound energy to thermal energy to reduce a sound pressure level of a resonance frequency to selectively absorb a specific frequency.

- 10. The resonator according to claim 9, wherein the resonator further comprises an absorbing member filling the resonance container to selectively reduce noise of a frequency band larger than the predetermined frequency band.
- 11. The resonator according to claim 10, wherein the absorbing member is a porous member.
  - 12. The resonator according to claim 11, wherein the porous member is a sponge.